Amendments to the Claims:

Claims 1-37 and 43-55, currently pending in this application, are reproduced as follows:

a plurality of subscriber units	s, each subscriber unit sending and		
3 receiving information packets using a wireless	communication link;		
4 a plurality of access points, each	access point forming a coverage area		
5 for exchanging information packets with subs	criber units within the coverage area		
6 through at least one wireless communication l	through at least one wireless communication link; and		
7 a plurality of distribution p	points, each distribution point in		
8 communication with at least one access poi	nt and with at least one additional		
9 distribution point, each distribution point oper	rative to		
10 (a) receive an information p	packet for distribution to a destination		
11 within the communication	on system,		
12 (b) determine if the informa	tion packet destination is to one of the		
plurality of subscriber in	units within the coverage area of an		
14 access point in commun	ication with the distribution point,		
15 (c) forward the information	packet to the access point defining the		
16 coverage area containing	the subscriber unit if the information		
packet destination is to c	one of the plurality of subscriber units		
18 within the coverage area	of the access point in communication		
with the distribution poi	nt, and		
20 (d) forward the information	n packet to one of the additional		
21 distribution points in c	communication with the distribution		
point if the information	packet destination is not to one of the		
plurality of subscriber u	units within the coverage area of the		
24 access point in communi	ication with the distribution point.		

1 2. (previously presented) The communication system of claim 1 2 wherein each information packet includes at least one of voice, video, and data 3 information. 1 3. (previously presented) The communication system of claim 1 2 wherein at least one an information packet comprises voice information. 1 4. (previously presented) The communication system of claim 1 2 wherein at least one an information packet comprises video information. 1 5. (previously presented) The communication system of claim 1 2 wherein at least one an information packet comprises data. 6. (previously presented) The communication system of claim 1 1 2 wherein at least one an information packet comprises streaming audio. 1 7. (previously presented) The communication system of claim 1 2 wherein at least one an information packet comprises streaming video. 1 8. (previously presented) The communication system of claim 1 2 wherein the communication link is a symmetric link. 1 9. (previously presented) The communication system of claim 1 2 wherein the communication link is an asymmetric link. 3 10. (previously presented) The communication system of claim 1 wherein each distribution point is in wireless communication with at least one of the 4 5 at least one access point.

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- 11. (previously presented) The communication system of claim 1
 wherein at least one distribution point is in wireline communication with at least one
 of the at least one access point.
 - 12. (previously presented) The communication system of claim 1 wherein at least one of the at least one access point is packaged with a distribution point.
- 13. (previously presented) The communication system of claim 1
 wherein at least one of the plurality of access points is not collocated with any
 distribution point.
- 1 14. (previously presented) The communication system of claim 1 2 wherein at least one of the plurality of distribution points is in wireless 3 communication with at least one additional distribution point of the plurality of 4 distribution points.
 - 15. (previously presented) The communication system of claim 1 wherein the plurality of distribution points forms a wireless network of distribution points.
 - 16. (previously presented) The communication system of claim 1 further comprising a communication system interface device operative to format information contained in the information packet to pass through a second communication system, the distribution point further operative to receive an information packet for distribution within the second communication system and to send the information packet to the communication system interface device.

1	17. (previously presented) The communication system of claim 16		
2	wherein the second communication system comprises a wireless telecommunication		
3	system.		
1	18. (previously presented) The communication system of claim 16		
2	wherein the second communication system comprises a wireline telecommunication		
3	system.		
1	19. (previously presented) The communication system of claim 16		
2	wherein the second communication system comprises a data network.		
1	20. (previously presented) The communication system of claim 16		
2	wherein the second communication system comprises a video distribution system.		
1	21. (previously presented) The communication system of claim 1		
2	further comprising a telecommunication system interface device operative to format		
3	information contained in the information packet to pass through a telecommunication		
4	system, the distribution point further operative to:		
5	receive at least one information packet from the telecommunication		
6	system interface device;		
7	determine if the at least one information packet destination is to a		
8	subscriber unit within the coverage area of an access point in communication with the		
9	distribution point;		
10	forward the at least one information packet to the access point defining		
11	the coverage area containing the subscriber unit if the information packet destination		
12	is to a subscriber unit within the coverage area of the access point in communication		
13	with the distribution point; and		
14	forward the at least one information packet to one of the additional		
15	distribution points in communication with the distribution point if the information		

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- packet destination is not to a subscriber unit within the coverage area of the access point in communication with the distribution point.
- 22. (previously presented) The communication system of claim 1
 wherein at least one distribution point in the plurality of distribution points is further
 in communication with an Internet gateway, the distribution point further operative
 to exchange packets with the Internet gateway.
- 1 23. (previously presented) The communication system of claim 1 wherein at least one distribution point in the plurality of distribution points comprises an asynchronous transfer mode switch.
- 1 24. (previously presented) The communication system of claim 1 2 wherein at least one distribution point in the plurality of distribution points comprises 3 an Internet protocol router.
 - 25. (previously presented) The communication system of claim 1 wherein at least one distribution point in the plurality of distribution points comprises an Ethernet router.
- 1 26. (previously presented) The communication system of claim 1 wherein at least one distribution point in the plurality of distribution points comprises a TDM switch.
 - 27. (previously presented) The communication system of claim 1 wherein each subscriber unit of the plurality of subscriber units is autonomously registered when the subscriber unit first enters the coverage area of a radio access point within the communication system.

1 28. (previously presented) The communication system of claim 27 2 wherein each subscriber unit of the plurality of subscriber units maintains registration as the subscriber unit moves from one coverage area into another coverage area. 3 1 29. (previously presented) The communication system of claim 27 2 wherein each subscriber unit of the plurality of subscriber units is autonomously 3 deregistered when the subscriber unit leaves the communication system. 1 30. (previously presented) The communication system of claim 1 2 wherein a quality error bit rate is established for each subscriber unit based on the 3 location of the subscriber unit within the communication system. 4 31. (previously presented) The communication system of claim 1 wherein a quality error bit rate is established for each subscriber unit based on a class 5 6 of service. 7 32. (previously presented) The communication system of claim 1 8 wherein a quality error bit rate is established for each subscriber unit based on a 9 grade of service. 10 33. (previously presented) The communication system of claim 1 11 wherein a quality error bit rate is established for each subscriber unit based on a rate 12 of service. 1 34. (previously presented) The communication system of claim 1 2 wherein the subscriber unit is a fixed device. 1 35. (previously presented) The communication system of claim 1 2 wherein the subscriber unit is a non-fixed device.

1	36.	(previously presented)	The communication system of claim 1
2	wherein the distribut	tion point dynamically a	llocates bandwidth when the information
3	packet is forwarded	to one of the additional d	istribution points in communication with
4	the distribution poin	nt.	

37. (previously presented) The communication system of claim 1 wherein bandwidth is dynamically allocated when an information packet is exchanged between one of the plurality of subscriber units and one of the plurality of access points.

38.-42. (canceled).

43. (previously presented) A communication system comprising:

a plurality of distribution points, each distribution point in communication with at least one additional distribution point in the plurality of distribution points, each distribution point operative to rout information packets;

a plurality of subscriber units, each subscriber unit operative to communicate information packets to a destination subscriber unit through at least one distribution point in the plurality of distribution points; and

a supervisor in communication with each distribution point, the supervisor operative to identify the distribution point with which each subscriber unit is communicating and to provide each distribution point with a listing of to which of the at least one additional distribution point in communication with the distribution point information packets should be forwarded for each possible destination distribution point, the listing based on maintaining a minimum quality of service in a path to the destination distribution point.

44. (previously presented) A communication system comprising:

a plurality of distribution points each distribution points

a plurality of distribution points, each distribution point in communication with at least one additional distribution point in the plurality of

distribution points, each distribution point operative to forward each information packet received by the distribution point to another distribution point based on a destination address in the packet and on a logical address of each of the plurality of distribution points; and

a supervisor in communication with each distribution point, the supervisor operative to provide each distribution point with a listing of to which of the at least one additional distribution point in communication with the distribution point information packets should be forwarded for each possible destination distribution point, the listing based on maintaining a minimum quality of service in a path to the destination distribution point.

45. (previously presented) A method of automatically adding a new distribution point into a network of existing distribution points, each distribution point in the network of existing distribution points in communication with at least one additional distribution point in the network of existing distribution points, each distribution point in the network of existing distribution points operative to forward an information packet to one of the additional distribution points in the network of existing distribution points in communication with the distribution point in the network of existing distribution points based on a destination address in the information packet, the method comprising:

transmitting a sign-on signal from the new distribution point;
receiving the sign-on signal in at least one distribution point in the network of existing distribution points;

assigning a routing address to the new distribution point; and providing each distribution point in the network of existing distribution points with an indication as to which additional distribution point in the network of existing distribution points each information packet having a destination address specifying the new distribution point is to be forwarded.

1	46. (previously presented) A method of automatically removing a
2	distribution point from a network of distribution points, each distribution point in the
3	network of distribution points in communication with at least one additional
4	distribution point, each distribution point operative to forward an information packet
5	to one of the additional distribution points in communication with the distribution
6	point based on a destination address in the information packet, the method
7	comprising:
8	detecting the absence of signal from a distribution point to be removed
9	from the network;
10	determining a connectivity between distribution points remaining after
11	removing the distribution point detected with the absence of signal; and
12	providing each remaining distribution point with an indication as to
13	which distribution point in communication with the remaining distribution point each
14	information packet having a destination address specifying the remaining distribution
15	point is to be forwarded.
1	47. (previously presented) A distribution point for use in a
2	communication system comprising a plurality of networked distribution points, the
3	distribution point comprising:
4	at least one front end communication interface, each front end interface
5	in communication with an access point, the access point in wireless communication
6	with subscriber units currently assigned to the distribution point;
7	at least one back end communication interfaces, each back end
8	interface in communication with a back haul communication device, at least one back
9	haul communication device transferring packets with a back haul communication
10	device in another of the plurality of networked distribution points; and
11	an intelligent packet switching device operative to
12	(a) determine a destination for each received packet,
13	(b) determine if the destination is to a subscriber unit currently
14	assigned to the distribution point,

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- 15 (c) send the packet to the subscriber unit if the subscriber unit is 16 currently assigned to the distribution point, 17 (d) if the destination is not to a subscriber unit currently assigned 18 to the distribution point, determine if the destination is to a 19 subscriber unit currently assigned to any other distribution 20 point in the communication system, and 21 if the subscriber unit is currently assigned to any other (e) 22 distribution point in the communication system, identify 23 another distribution point in back haul communication with the 24 distribution point to which the packet should be forwarded and 25 forward the packet to the identified distribution point.
 - 48. (previously presented) The distribution point as in claim 47 wherein at least one front end communication interface is connected to an antenna, thereby permitting the distribution point to be in wireless communication with at least one radio access point.
 - 49. (previously presented) The distribution point as in claim 47 wherein at least one front end communication interface is in wireline connection with a radio access point.
 - 50. (previously presented) The distribution point as in claim 47 wherein transferring packets between a back haul communication device within the distribution point and a back haul communication device in another of the plurality of networked distribution points is a wireless transfer.
 - 51. (previously presented) The distribution point as in claim 47 wherein transferring packets between a back haul communication device within the distribution point and a back haul communication device in another of the plurality of networked distribution points is through a wireline connection.

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- 52. (previously presented) The distribution point as in claim 47 wherein the intelligent packet switching device comprises an asynchronous transfer mode switch.
- 1 53. (previously presented) The distribution point as in claim 47 wherein the intelligent packet switching device comprises an Internet protocol router.
- 54. (previously presented) The distribution point as in claim 47 wherein the intelligent packet switching device comprises an Ethernet router.
- 1 55. (previously presented) The distribution point as in claim 47 wherein the intelligent packet switching device comprises a TDM switch.